

**Work Order ID 54191**

December 2, 2009 11:40:31 AM

Page 1

Item ID: D205-633-022

Accept

Revision ID: B

Item Name: Heli Access Step RH High Gear

Start Date: 02/12/2009 Start Qty: 2.00

Required Date: 10/12/2009 Req'd Qty: 2.00

Reference:

Approvals:

Process Plan: *PL*Date: *11-12-2*

Tooling:

Date:

QC:

Date:

SPC (Y/N):




Date:

Setup Start

Stop

Run Start

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
<b>Draw Nbr</b>	<b>Revision Nbr</b>								
DSI9300	Rev B								
100		0.00							
	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile & type labels per PPPD205-633-022		CHG001	<i>S 09/12/17</i>					
110		0.00							
	Pick Kit								
Packaging	Memo	0.00							
Packaging									
120		0.00							
	QC4- 100% Inspect kits for completeness								
QC	Memo	0.00							
Quality Control				<i>2) 809/12/17</i>					<i>(TW)</i>

W/O: -		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 54191**

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Page 2

Item ID: D205-633-022

Accept



Setup Start



Revision ID: B

Stop



Item Name: Heli Access Step RH High Gear

Start Date: 02/12/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 16/12/2009 Req'd Qty: 2.00



Customer:

Reference:

Run Start



Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Stop



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

130

0.00



Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D205-633-021 □ Location: 70 □ PPP Rev: A9/12/18 222

140

0.00



QC21- Final Inspection - Work Order Release

QC

Memo

0.00

Quality Control

09/12/21 MF

MF

09-12-18

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Page 1

Work Order ID: 54191

Parent Item: D205-633-022RevB

Parent Item Name: Heli Access Step RH High Gear

Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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AN4-11A

Purchased

No

110

Each

550.0000

2.0000

Bolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

550

110382

550

110

Each

17.0000

2.0000

AN4-14A

Purchased

No

Bolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

17

110372

17

110

Each

35.0000

2.0000

AN44-7A

Purchased

No

Eyebolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

35

108638

11

110155

6

111177

8

112454

10

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item: D205-633-022RevB

Parent Item Name: Heli Access Step RH High Gear


Start Date: 02/12/2009

Required Date: 16/12/2009


Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN4-5A  Bolt		Purchased	No			110	Each	182.0000	2.0000		9/10/17	SL

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	182	
100089	6	
106605	6	
108672	1	
109061	9	
110844	57	2
111650	3	
112933	100	

AN4-6A  Bolt		Purchased	No			110	Each	1,749.0000	8.0000		9/12/17	SL (2x)
--	--	-----------	----	--	--	-----	------	------------	--------	--	---------	---------

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	1749	
111279	49	5
112314	300	3
112641	100	
112720	100	
112829	300	
112933	300	
113149	600	

**Dart Aerospace Ltd**

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 54191

Parent Item: D205-633-022RevB

Parent Item Name: Heli Access Step RH High Gear

Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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S12 AN4-7A X1  
Bolt

Purchased

No

110

Each

387.0000

2.0000

9/12/17 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

387

112794

1

113226

386

2

S12 AN5-14A X1  
Bolt

Purchased

No

110

Each

112.0000

2.0000

9/12/17 SP (2x)

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

112

106166

8

112411

40

112467

14

112489

50

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order ID: 54191

Parent Item: D205-633-022RevB

Parent Item Name: Heli Access Step RH High Gear

Comments:

Start Date: 02/12/2009

Required Date: 16/12/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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AN960JD416	HL	Purchased	No			110	Each	2,411.000	32.0000			
------------	----	-----------	----	--	--	-----	------	-----------	---------	--	--	--



Washer

Handwritten notes:   
 S42   
 AAS1149004631   
 1121145D04635   
 Per 057017   
 8/12/17

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST	2411	
	108161	329	
	110523	340	
	111279	101	
	111916	482	
	112314	1159	
	16941	0	

Handwritten: M110914 9/12/17 sp

AN960JD516	X3	Purchased	No			110	Each	1,084.000	6.0000			
------------	----	-----------	----	--	--	-----	------	-----------	--------	--	--	--



Washer

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST	1084	
	110363	46	
	110523	57	
	111279	39	
	112082	64	
	112314	14	
	112828	364	
	113149	500	

Handwritten: 9/12/17 C20 sp

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item: D205-633-022RevB



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Required Date: 16/12/2009

Comments:

Start Qty: 2.00

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Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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D2022-101RevN/A <sup>29</sup> Manufactured No

110 Each 492.0000 8.0000



S

+2 Spacer



9/12/17 sl

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST504 492  
45885 292  
50746 100  
52325 100

110 Each 198.0000 4.0000

D2022-103RevN/A <sup>22</sup> Manufactured No



S

+2 Spacer



9/12/17 sl

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST109 198  
47964 191  
50735 7

110 Each 8.0000 2.0000

D2562-011RevD <sup>21</sup> Manufactured No



S

+2 Strut



9/12/17 sl 2x

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST 8  
53605 8

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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D2565-101RevE *N* Manufactured No



Strut

110 Each 8.0000 2.0000



*9/12/17 SL*

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST270

8

51456

8

110

Each

8.0000

2.0000



*2*

*9/12/17 SL*

D2565-103RevE *N*

Manufactured No



Strut

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST270

8

51457

8

110

Each

17.0000

2.0000



*2*

*9/12/17 SL*

D2565-105RevE *N*

Manufactured No



Strut

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST27

7

50059

7

Main Warehouse

ST270

10

51458

10

*2*

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Parent Item: D205-633-022RevB

Parent Item Name: Heli Access Step RH High Gear

Start Date: 02/12/2009

Required Date: 16/12/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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D2565-107RevE *fl* Manufactured No



Strut

110 Each 6.0000 2.0000



*9/12/17 SP*

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST270

6

*51459*

6

110 Each 8.0000 2.0000



*2*  
*9/12/17 SP*

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

8

*51460*

8

110 Each 8.0000 2.0000



*2*  
*9/12/17 (2x) SP*

D2565-111RevE *fl* Manufactured No



Strut

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

8

*47830*

8

*2*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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# Picklist Print

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December 2, 2009 11:40:38 AM

Work Order ID: 54191

Parent Item: D205-633-022RevB

Parent Item Name: Heli Access Step RH High Gear

Comments:

Start Date: 02/12/2009

Required Date: 16/12/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
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D3437-041RevB 81 Manufactured No



Aft Strut Assembly

110 Each 7.0000 2.0000



9/12/17

SL

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

45183

7

7

2

D3438-042RevA 41 Manufactured No



Step Weldment Assembly

MS21042L4 XB Purchased No



Nut

110 Each 4,301.000 16.0000



54190

9/12/17 SL

9/12/17 SL

2X

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

110507

111827

15924

4301

184

4117

0

16

December 2, 2009 11:40:38 AM

Shop Packet Print

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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Start Date: 02/12/2009

Required Date: 16/12/2009

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Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS21042L5

12

Purchased

No

110

Each

758.0000

4.0000



Nut



9/12/17

SL  
2x

## Warehouse

## Loc Qty

## Loc Code

### Location

Main Warehouse

ST

758

110382

10

111127

4

111636

11

112314

733

4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

**DART**SHOP COPY  
RETURN TOUNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 54191  
PL09-12-2

DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. B SHEET 1 OF 6
DATE 05.08.12		TITLE SIMPLEX TANK STEP SCALE NTS	
A	05.05.05	NEW ISSUE	
B	05.08.12	ADD STRUTS IF TANK REMOVED	

**DART SERVICE INSTRUCTION**

TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-633 REV. A

REF. CANADIAN STC: SH96-57

REF. FAA STC: SR00592NY, SR00593NY, SR00594NY

THE PURPOSE OF THIS SERVICE INSTRUCTION IS TO ADD THE D205-633-021/-022/-023/-024/-025/-026 STEPS TO ADDRESS COMPATABILITY WITH THE SIMPLEX MODEL 304 FIRE ATTACK TANK. D205-633-021/-022 ARE IDENTICAL TO D205-633-011, EXCEPT AS SHOWN HERE. D205-633-023/-024 ARE IDENTICAL TO D205-633-013, EXCEPT AS SHOWN HERE. D205-633-025/-026 ARE IDENTICAL TO D205-633-015, EXCEPT AS SHOWN HERE.

NOTE THAT THE STRUTS REQUIRED TO INSTALL THE STEPS ON THE LOWER AFT HARDPOINT HAVE ALSO BEEN INCLUDED WITH THE KITS IN CASE THE TANK IS REMOVED FOR ANY REASON. THESE STRUTS SHOULD BE INSTALLED I.A.W. IIN-D205-633, EXCEPT REPLACE EYEBOLT WITH AN4 BOLT ON LOWER HARDPOINT. ALSO NOTE THAT IF THE THREADS PROTRUDE THROUGH THE BAR ON THE D3437-XXX STRUT ASSEMBLIES AFTER ADJUSTMENT THEY MAY BE TRIMMED OFF.

**WEIGHT AND BALANCE**

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D205-633-021 HELI-ACCESS-STEP™	14.0 lb 6.35 kg	-50.0 in -1.27 m	-700 in lb -8.06 m kg	94.5 in 2.40 m	1323 in lb 15.24 m kg
D205-633-022 HELI-ACCESS-STEP™	13.2 lb 6.00 kg	+50.0 in +1.27 m	+660 in lb +7.62 m kg	94.5 in 2.40 m	1247 in lb 14.40 m kg
D205-633-023 HELI-ACCESS-STEP™	14.3 lb 6.50 kg	-50.0 in -1.27 m	-715 in lb -8.26 m kg	94.5 in 2.40 m	1351 in lb 15.6 m kg
D205-633-024 HELI-ACCESS-STEP™	13.5 lb 6.14 kg	+50.0 in +1.27 m	+675 in lb +7.80 m kg	94.5 in 2.40 m	1276 in lb 14.74 m kg
D205-633-025 HELI-ACCESS-STEP™	14.6 lb 6.64 kg	-50.0 in -1.27 m	-730 in-lb -8.43 m-kg	94.5 in 2.40 m	1380 in-lb 15.94 m-kg
D205-633-026 HELI-ACCESS-STEP™	13.8 lb 6.27 kg	+50.0 in +1.27 m	+690 in-lb +7.96 m-kg	94.5 in 2.40 m	1304 in-lb 15.05 m-kg

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01**APPROVED**BY:   
D. SHEPHERD (DE # 02)DATE: 05.08.12  
CERT. NO.: SH96-57  
ISSUE NO.: #5

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DESIGN RF	DRAWN BY RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. B SHEET 2 OF 6
DATE 05.08.12		TITLE SIMPLEX TANK STEP	SCALE NTS

W/O 54191

PARTS LIST

QTY -021	QTY -022	QTY -023	QTY -024	QTY -025	QTY -026	Part Number	Description
X						D205-633-021	Heli-Access-Step™ (LH), High Gear
	X					D205-633-022	Heli-Access-Step™ (RH), High Gear
		X				D205-633-023	Heli-Access-Step™ (LH), Extended High Gear (31")
			X			D205-633-024	Heli-Access-Step™ (RH), Extended High Gear (31")
				X		D205-633-025	Heli-Access-Step™ (LH), Extended High Gear (39")
					X	D205-633-026	Heli-Access-Step™ (RH), Extended High Gear (39")
4	4	4	4	4	4	D2022-101	SPACER
2	2	2	2	2	2	D2022-103	SPACER
				1	1	D2562-005	STRUT
1	1					D2562-011	STRUT
		1	1			D2562-013	STRUT
1		1		1		D2563	WELDMENT ASSEMBLY
				*1	*1	D3165-1	STRUT
1	1					D2565-101	STRUT
1	1					D2565-103	STRUT
1	1					D2565-105	STRUT
1	1					D2565-107	STRUT
1	1					D2565-109	STRUT
*1	*1					D2565-111	STRUT
		1	1			D2565-201	STRUT
		1	1			D2565-203	STRUT
		1	1			D2565-205	STRUT
		1	1			D2565-207	STRUT
		1	1			D2565-209	STRUT
		*1	*1			D2565-211	STRUT
				1	1	D2565-301	STRUT
				1	1	D2565-303	STRUT
				1	1	D2565-305	STRUT
				1	1	D2565-307	STRUT
				1	1	D2565-309	STRUT
1	1					D3437-041	AFT STRUT ASSEMBLY
		1	1			D3437-043	AFT STRUT ASSEMBLY
				1	1	D3437-045	AFT STRUT ASSEMBLY
	1		1		1	D3438-042	WELDMENT ASSEMBLY
1	1	1	1	1	1	AN4-5A	BOLT
4	4	3	3	3	3	AN4-6A	BOLT
1	1	1	1	1	1	AN4-7A	BOLT
1	1					AN4-11A	BOLT
		1	1	1	1	AN4-12A	BOLT
1	1	1	1	1	1	AN4-14A	BOLT
1	1	1	1	1	1	AN44-7A	EYEBOLT
1	1	1	1	1	1	AN5-14A	BOLT
16	16	14	14	14	14	AN960JD416	WASHER
3	3	3	3	3	3	AN960JD516	WASHER
8	8	7	7	7	7	MS21042L4	NUT (or MS21042-4)
2	2	2	2	2	2	MS21042L5	NUT (or MS21042-5)

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY:   
D. SHEPHERD (DE # 02)

DATE: 05.08.12  
CERT. NO.: SH96-57  
ISSUE NO.: #5

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DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. B 3 OF 6
DATE 05.08.12	TITLE SIMPLEX TANK STEP KIT		SCALE NTS

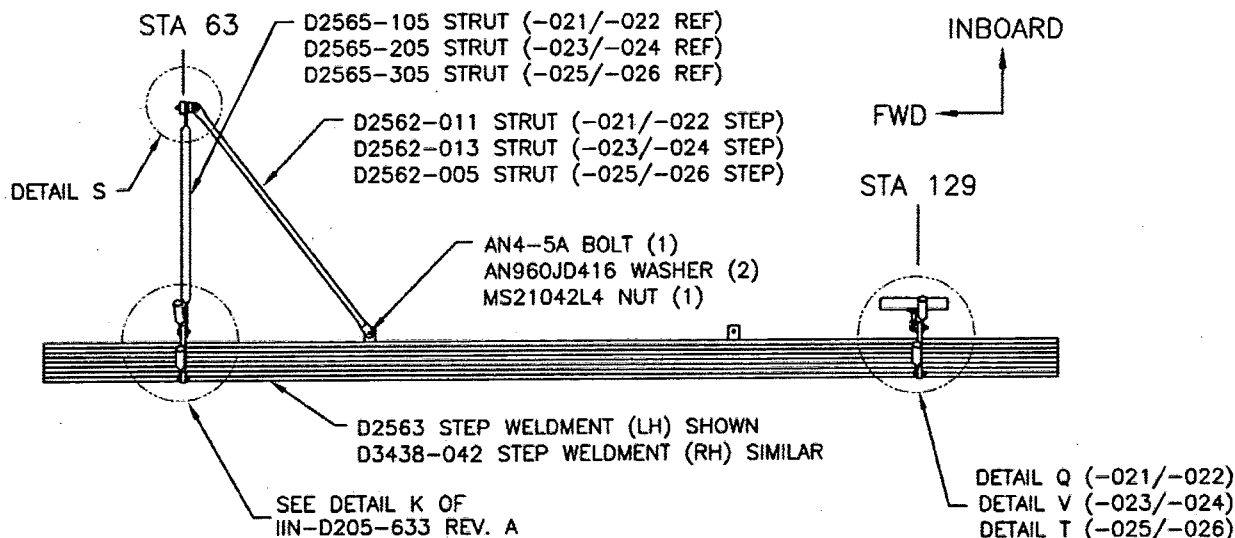
W10 54191

### INSTALLATION OF D205-633-021/-022/-023/-024/-025/-026

INSTALL D205-633-021/-022 AS PER THE D205-633-011 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D2565-111 STRUT WITH THE D3437-041 AFT STRUT ASS'Y, REMOVE D2562-001 STRUT, INSTALL D2562-011 STRUT AS SHOWN.

INSTALL D205-633-023/-024 AS PER THE D205-633-013 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D2565-211 STRUT WITH THE D3437-043 AFT STRUT ASS'Y, REMOVE D2562-003 STRUT, INSTALL D2562-013 STRUT AS SHOWN.

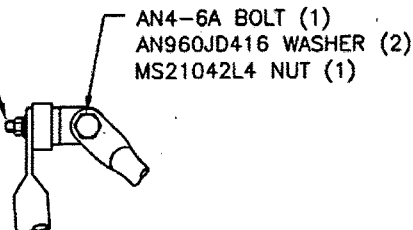
INSTALL D205-633-025/-026 AS PER THE D205-633-015 STEP OF INSTALLATION INSTRUCTIONS IIN-D205-633 REV.A, EXCEPT REPLACE D3165-1 SUPPORT ARM WITH THE D3437-045 AFT STRUT ASS'Y AS SHOWN.



**D205-633-021/-023/-025 SHOWN.**  
**D205-633-022/-024/-026 SIMILAR**  
(VIEW LOOKING DOWN)

AN44-7A EYEBOLT (1)  
AN960JD516 WASHER (1)  
MS21042L5 NUT (1)

**DETAIL S**  
NOT TO SCALE



CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**



BY:   
D. SHEPHERD (DE # 02)

DATE: 05.08.12  
CERT. NO.: SH96-57  
ISSUE NO.: #5

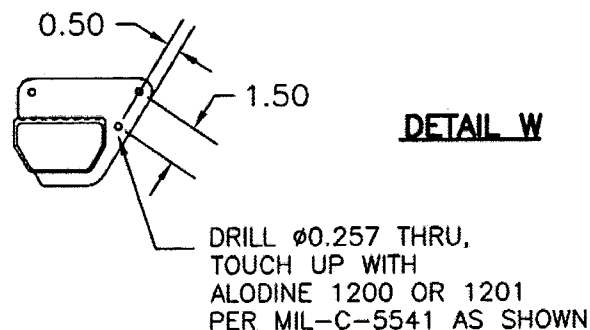
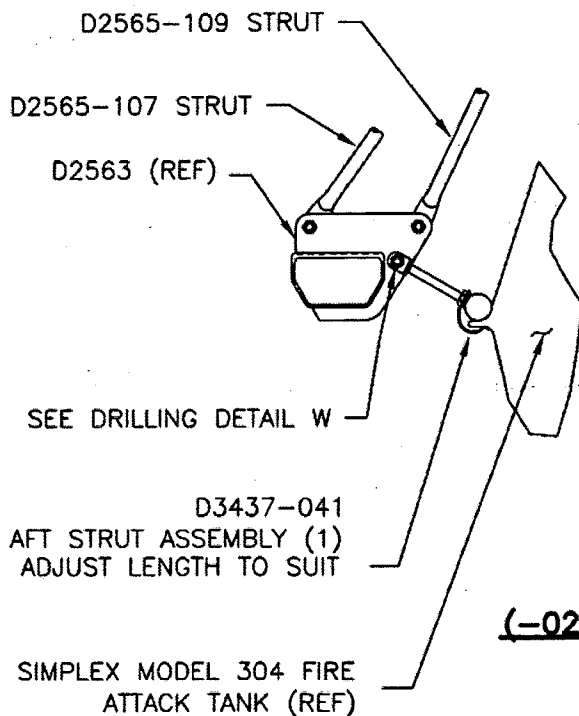
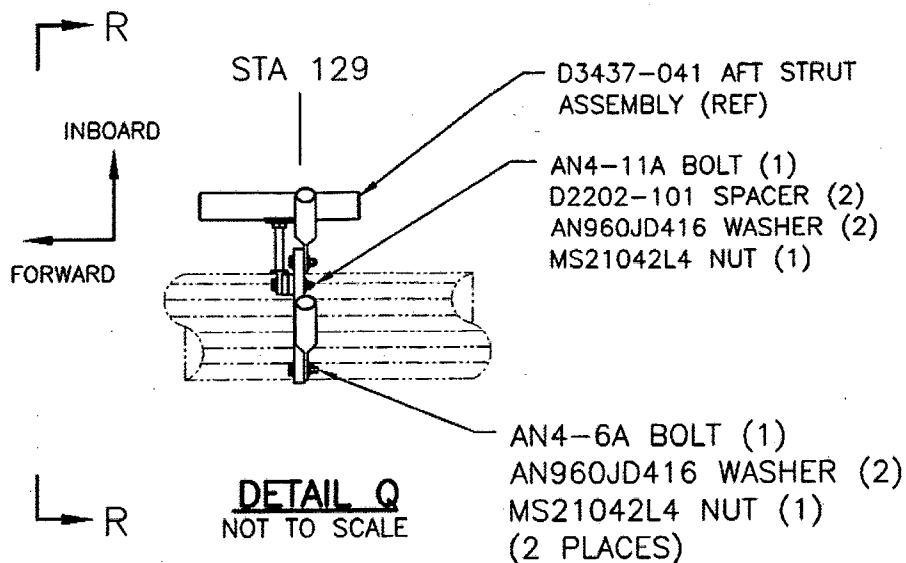
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**DART**

DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 	APPROVED 	DRAWING NO. DSI 9300	REV. B SHEET 4 OF 6
DATE 05.08.12	TITLE SIMPLEX TANK STEP		SCALE NTS

w/o 54191

**(-021/-022 STEP)****VIEW R-R**  
NOT TO SCALE

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**

BY:   
D. SHEPHERD (DE # 02)

DATE: 05.08.12  
CERT. NO.: SH96-57  
ISSUE NO.: #5

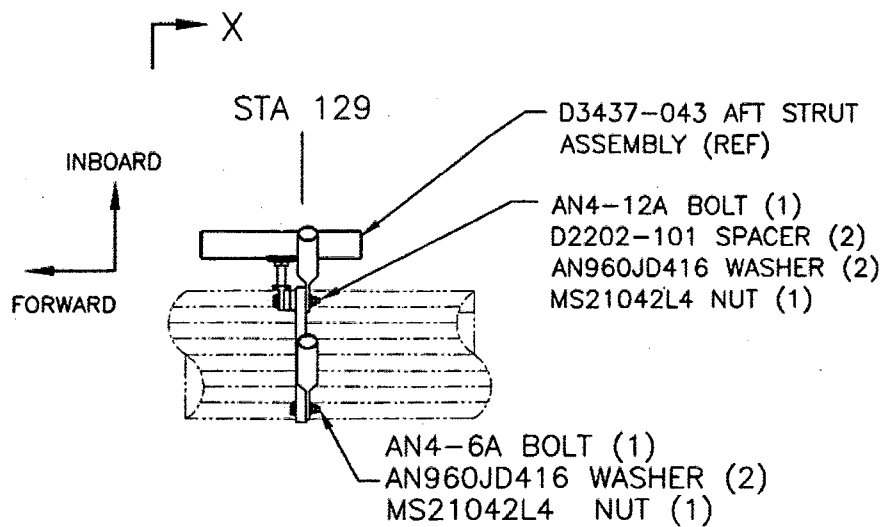
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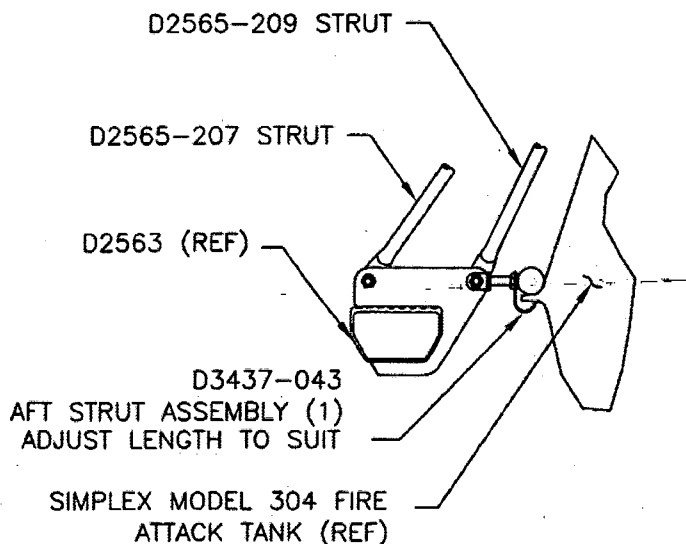


DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. DSI 9300	REV. B SHEET 5 OF 6
DATE 05.08.12	TITLE SIMPLEX TANK STEP		SCALE NTS

W/O 54191



**DETAIL V**  
NOT TO SCALE



**(-023/-024 STEP)**

**VIEW X-X**  
NOT TO SCALE

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
<b>APPROVED</b> <i>[Signature]</i>	
BY:	D. SHEPHERD (DE # 02)
DATE:	05.08.12
CERT. NO.:	SH96-57
ISSUE NO.:	#5

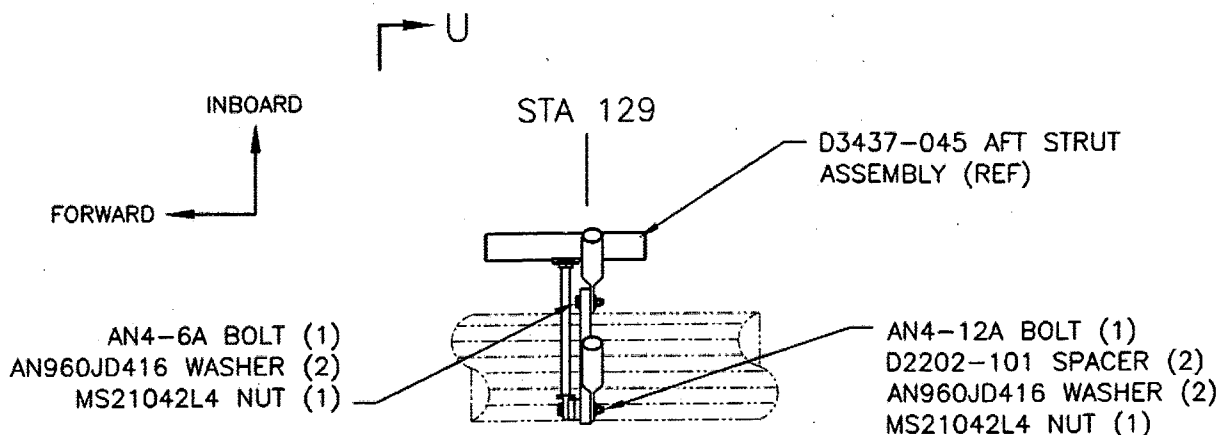
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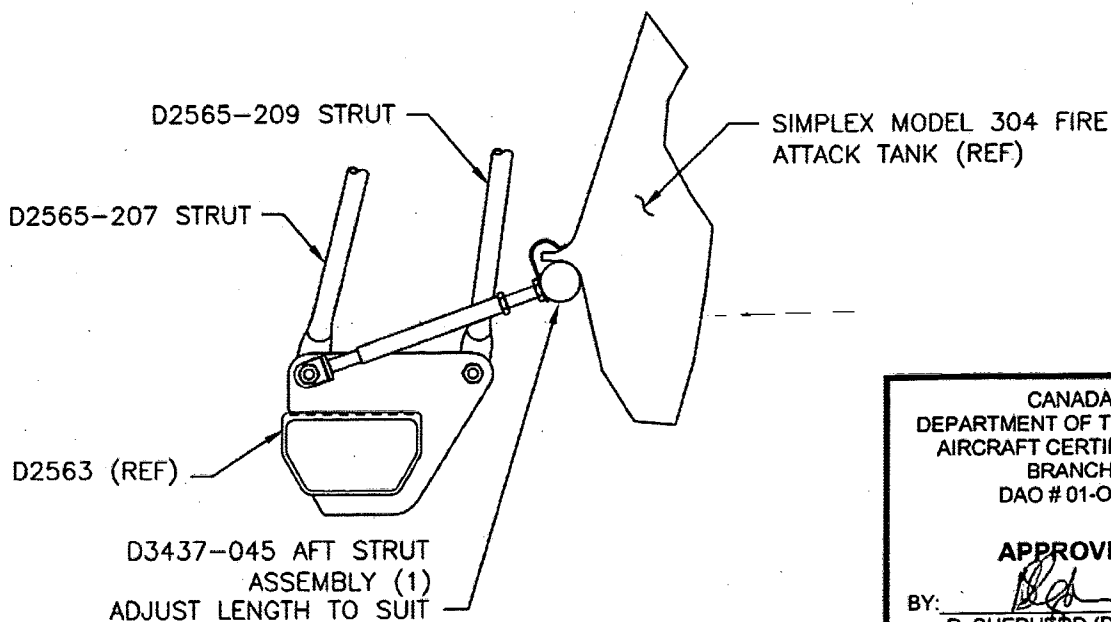


DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. DSI 9300	REV. B SHEET 6 OF 6
DATE 05.08.12		TITLE SIMPLEX TANK STEP	SCALE NTS

W1054191



DETAIL T  
NOT TO SCALE



VIEW U-U  
NOT TO SCALE

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 05.08.12  
CERT. NO.: SH96-57  
ISSUE NO.: #5

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5.2 D205-633-021/-022/-023/-024/-025/-026 Heli-Access Step  
(Simplex Model 304 Fire Attack Tank Compatible)

QTY -021	QTY -022	QTY -023	QTY -024	QTY -025	QTY -026	Part Number	Description
X						D205-633-021	Heli-Access-Step™ (LH), High Gear
	X					D205-633-022	Heli-Access-Step™ (RH), High Gear
		X				D205-633-023	Heli-Access-Step™ (LH), Extended High Gear (31")
			X			D205-633-024	Heli-Access-Step™ (RH), Extended High Gear (31")
				X		D205-633-025	Heli-Access-Step™ (LH), Extended High Gear (39")
					X	D205-633-026	Heli-Access-Step™ (RH), Extended High Gear (39")
4	4	4	4	4	4	D2022-101	SPACER
2	2	2	2	2	2	D2022-103	SPACER
				1	1	D2562-005	STRUT
1	1					D2562-011	STRUT
		1	1			D2562-013	STRUT
1		1		1		D2563	WELDMENT ASSEMBLY
1	1					D2565-101	STRUT
1	1					D2565-103	STRUT
1	1					D2565-105	STRUT
1	1					D2565-107	STRUT
1	1					D2565-109	STRUT
*1	*1					D2565-111	STRUT
		1	1			D2565-201	STRUT
		1	1			D2565-203	STRUT
		1	1			D2565-205	STRUT
		1	1			D2565-207	STRUT
		1	1			D2565-209	STRUT
		*1	*1			D2565-211	STRUT
				1	1	D2565-301	STRUT
				1	1	D2565-303	STRUT
				1	1	D2565-305	STRUT
				1	1	D2565-307	STRUT
				1	1	D2565-309	STRUT
				*1	*1	D3165-1	SUPPORT ARM
1	1					D3437-041	AFT STRUT ASSEMBLY
		1	1			D3437-043	AFT STRUT ASSEMBLY
				1	1	D3437-045	AFT STRUT ASSEMBLY
	1		1		1	D3438-042	WELDMENT ASSEMBLY
1	1	1	1	1	1	AN4-5A	BOLT
4	4	3	3	3	3	AN4-6A	BOLT
1	1	1	1	1	1	AN4-7A	BOLT
1	1					AN4-11A	BOLT
		1	1	1	1	AN4-12A	BOLT
1	1	1	1	1	1	AN4-14A	BOLT
1	1	1	1	1	1	AN44-7A	EYEBOLT
1	1	1	1	1	1	AN5-14A	BOLT
16	16	14	14	14	14	AN960JD416	WASHER
3	3	3	3	3	3	AN960JD516	WASHER
8	8	7	7	7	7	MS21042L4	NUT (or MS21042-4)
2	2	2	2	2	2	MS21042L5	NUT (or MS21042-5)

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Revision: B

Date: 07.08.21

54191